

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0851-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)		<b>Compl to If Known</b>	
		Application Number	10/075,909
Sheet 1 of 1		Filing Date	February 13, 2002
		First Named Inventor	Nicole Chantel Barvian
		Art Unit	1624
		Examiner Name	Tamthom Ngo Truong
		Attorney Docket Number	A0000517-01-CFP

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
TNT	A	US- 2003/0229103 A1	12-11-2003	Weithmann, et al.	
	B	US- 2002/0156061 A1	10-24-2002	Barvian, et al. ✓	
	C	US- 10/075,918	02-13-2002	Barvian, et al. ✓	
	D	US- 2003/0078276 A1	04-24-2003	Adrianjara, et al.	
	E	US- 10/075,069	02-13-2002	Adrianjara, et al.	
	F	US- 2002/0161000 A1	10-31-2002	Barvian, et al. ✓	
	G	US- 10/071,073	02-08-2002	Barvian, et al. ✓	
	H	US- 2003/0087924 A1	05-08-2003	Sorenson	
	I	US- 10/224,234	08-20-2002	Sorenson	
	J	US- 2003/0144274 A1	07-31-2003	Bunker, et al.	
	K	US- 10/264,764	10-04-2002	Bunker, et al.	
	L	US- 10/634,531	08-05-2003	Johnson ✓	
	M	US- 10/634,709	08-05-2003	O'Brien	
	N	US- 10/634,419	08-05-2003	Hicks, et al. ✓	
	O	US- 10/634,713	08-05-2003	Picard	
TNT	P	US- 10/739,261	08-05-2003	Bunker, et al.	
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>3</sup>
		Country Code <sup>2</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
TNI	✓	WO02/064547 A2/A3 ✓	08-22-2002	Barvian, et al.		
	✓	WO02/064080 A2/A3 ✓	08-22-2002	Andrianjara, et		
	✓	WO02/064571 A1 ✓	08-22-2002	Barvian, et al.		
	✓	WO03/032999 A1 ✓	04-24-2003	Bunker, et al.		
TNI	✓	WO02/064568 A1 ✓	08-22-2002	Barvian, et al.		

Examiner Signature		Date Considered	6/24/04
--------------------	--	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

+

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**Complete if Known**

*(use as many sheets as necessary)*

Sheet 1 of 2

<b>Application Number</b>	10/075909
<b>Filing Date</b>	February 13, 2002
<b>First Named Inventor</b>	Nicole Chantel Barvian
<b>Group Art Unit</b>	1646
<b>Examiner Name</b>	Not Yet Assigned
<b>Attorney Docket Number</b>	A0000517-01-CFP

U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner  
Signature**

Date \_\_\_\_\_

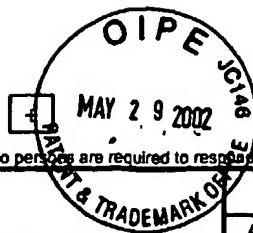
**Considered**

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

Please type a plus sign (+) inside this box



Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it contains a valid OMB control number.

PTO/SB/08B (08-00)  
Approved for use through 10/31/2002. OMB 0651-0031  
U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

+

Substitute for form 1449B/PTO				C m p l t e i f K n w n	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				Application Number	10/075909
				Filing Date	February 13, 2002
				First Named Inventor	Nicole Chantel Barvian
				Group Art Unit	1646
				Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	A0000517-01-CFP

TECH CENTER 1809290

JUN 04 2002

RECEIVED

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
TNT	✓	MONTANA, John, et al, "The design of selective non-substrate-based matrix metalloproteinase inhibitors", Current Opinion in Drug Discovery & Development, 2000; 3(4), pp 353-361 .
TNT	✓	CLARK, Ian, et al, "Matrix metalloproteinase inhibitors in the treatment of arthritis", Current Opinions in Anti-inflammatory & Immunomodulatory Investigational Drugs, 2000; 2(1), pp 16-25 .
TNT	✓	CHEN, James, et al, "Structure-Based Design of a Novel, Potent, and Selective Inhibitor for MMP-13 Utilizing NMR Spectroscopy and Computer-Aided Molecular Design", J. Am. Chem. Soc., 2000, 122; pp 9648-9654 .

Examiner Signature		Date Considered	10/30/03
--------------------	--	-----------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

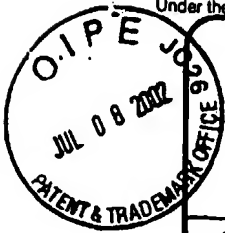
+



#4  
8-00)  
0031  
RCE

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.



## SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**Complete if Known**

<b>Application Number</b>	10/075909
<b>Filing Date</b>	February 13, 2002
<b>First Named Inventor</b>	Nicole Chantel Barvian
<b>Group Art Unit</b>	1646
<b>Examiner Name</b>	Unknown
<b>Attorney Docket Number</b>	A0000517-01-CFP

[illegible]

RECEIVED

CH CENTER 1600/2800

[illegible]

Examiner Signature		Date Considered	10/30/03
-----------------------	---	--------------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

Please type a plus sign (+) inside this box → ☐

PTO/SB/08B (08-00)  
Approved for use through 10/31/2002. OMB 0651-0031  
U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

**SUPPLEMENTAL  
INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 2 of 2

Complete if Known

Application Number	10/075909
Filing Date	February 13, 2002
First Named Inventor	Nicole Chantel Barvian
Group Art Unit	1646
Examiner Name	Unknown
Attorney Docket Number	A0000517-01-CFP

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	TECH CENTER 16002900	T2
TNT	✓	PCT INTERNATIONAL SEARCH REPORT FOR PCT/IB02/00190 FILED JANUARY 18, 2002 .		
	✓	CHEMICAL ABSTRACTS, Vol. 125, No. 13, 1996, Abstract No. 167964d, FUKUDA ET. AL., XP-002198554 .		
	✓	DATABASE CROSSFIRE BULLETIN 'Online, Database accession no. 786662, XP-002198556, BEILSTEIN, 1988.		
	✓	SHKURKO, et al, Khim. Geterotsikl. Soedin., 1977; 6; pp 821824 - HARD COPY TO FOLLOW		
	✓	DATABASE CROSSFIRE BULLETIN 'Online, Database accession no. 7297869, XP-002198557, BEILSTEIN, 1988.		
	✓	YAMAMOTO, et al, "Direct Introduction of ACYL and Ethoxycarbonyl Groups Into Pyrimidine Ring Through the Trimethyl-Stannyl Derivatives" Heterocycles, 1995; 41(6); pp 1275-1290 .		
	✓	DATABASE CROSSFIRE BULLETIN 'Online, Database accession no. 139954, XP-002198558, BEILSTEIN, 1988.		
	✓	J. Chem. Soc., 1959; pp 525-530, HUNTER. AL.		
	✓	DATABASE CROSSFIRE BULLETIN 'Online, Database accession no. 791572 XP-002198559, BEILSTEIN, 1988.		
	✓	SAKASAI, et al, "Studies in Pyrimidine Derivatives. XVII. Synthesis of Pyrimidine-4-Carboxylic Esters", Heterocycles, 1979; 13; pp 235-236 .		
TNT	✓	CHEMICAL ABSTRACTS, Vol. 79, No. 11, Abstract No. 663944 XP-002198555 .		

Examiner  
Signature

*[Signature]*

Date  
Considered

10/30/03

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

